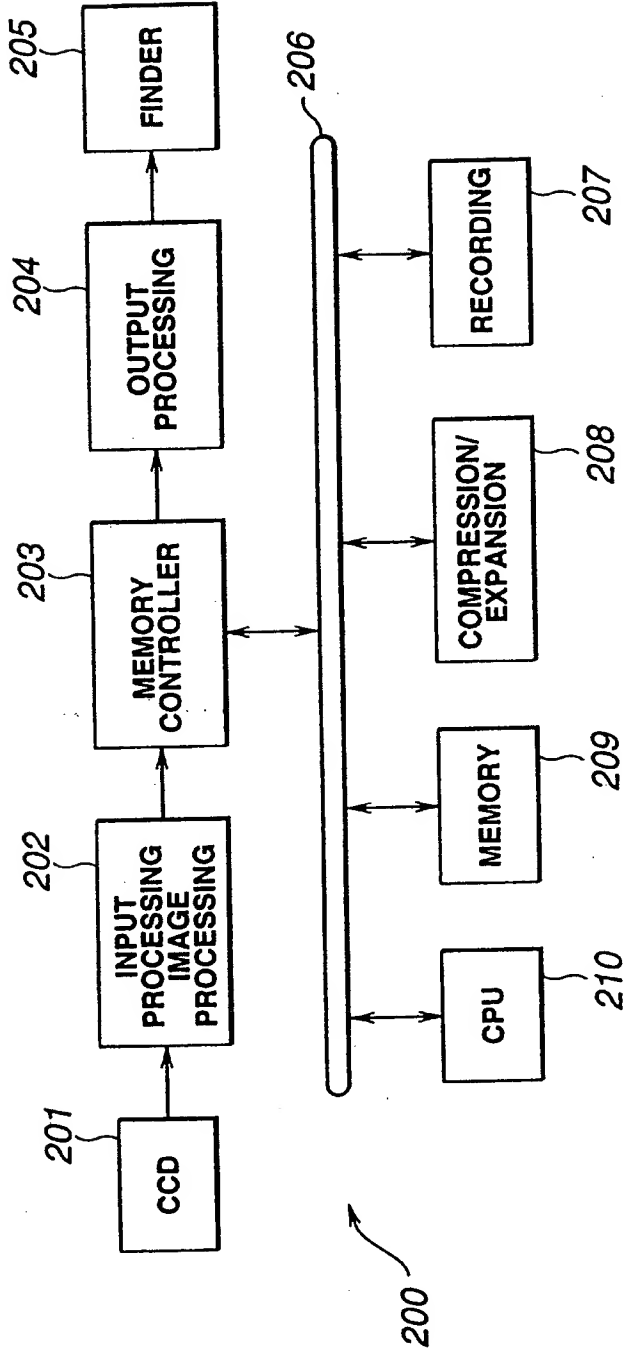


Inventors: Masayuki Takezawa et al.

Title: IMAGING APPARATUS IN WHICH REDUCED  
RESOLUTION IMAGE DATA IS GENERATED, AND WHEN  
SUPPLIED OVER AN IMAGE DATA BUS, THE RESOLUTION  
IS INCREASED AND OUTPUTTED

Serial No. 09/353,287



**FIG.1**  
(PRIOR ART)

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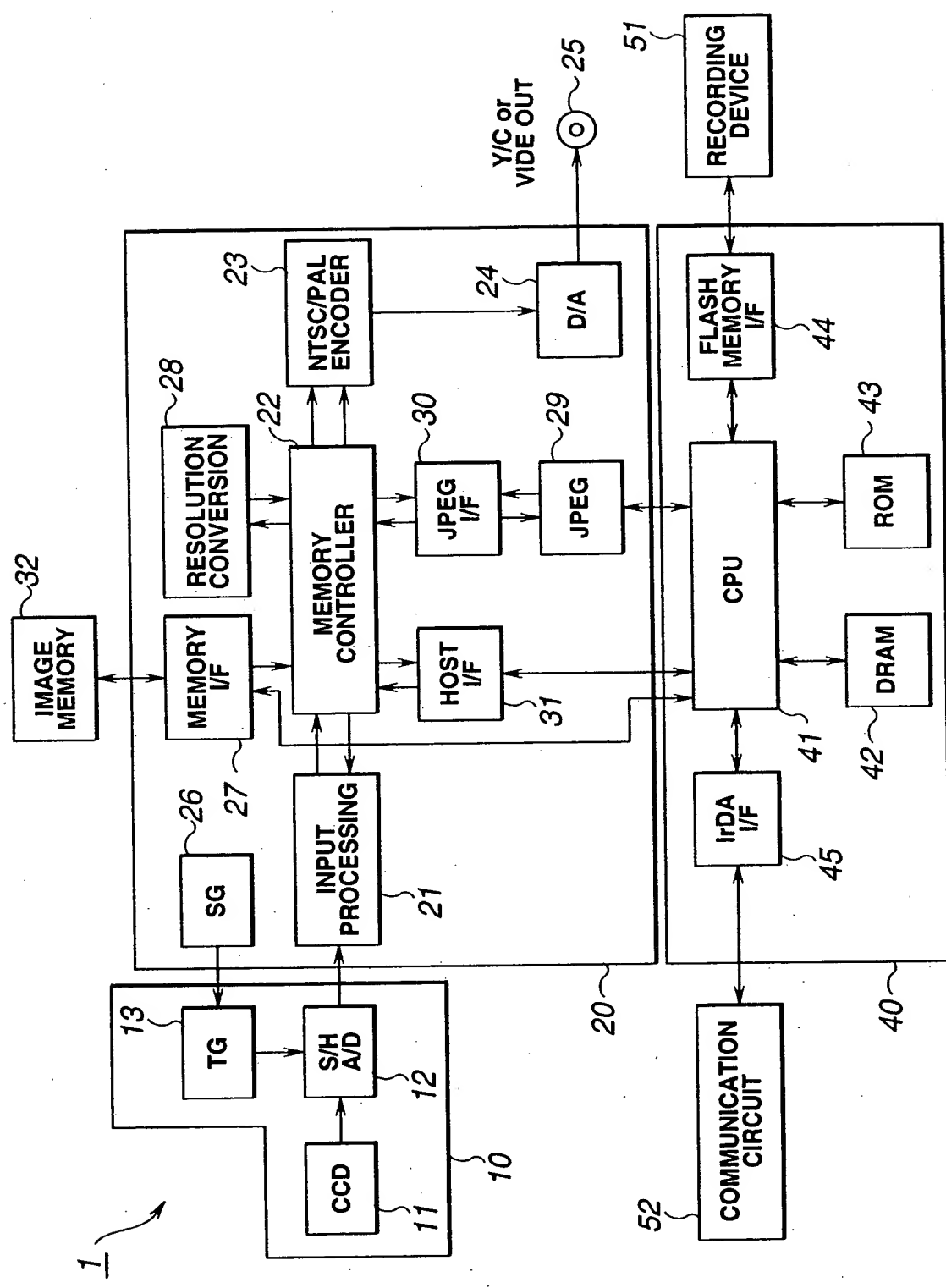


FIG.2

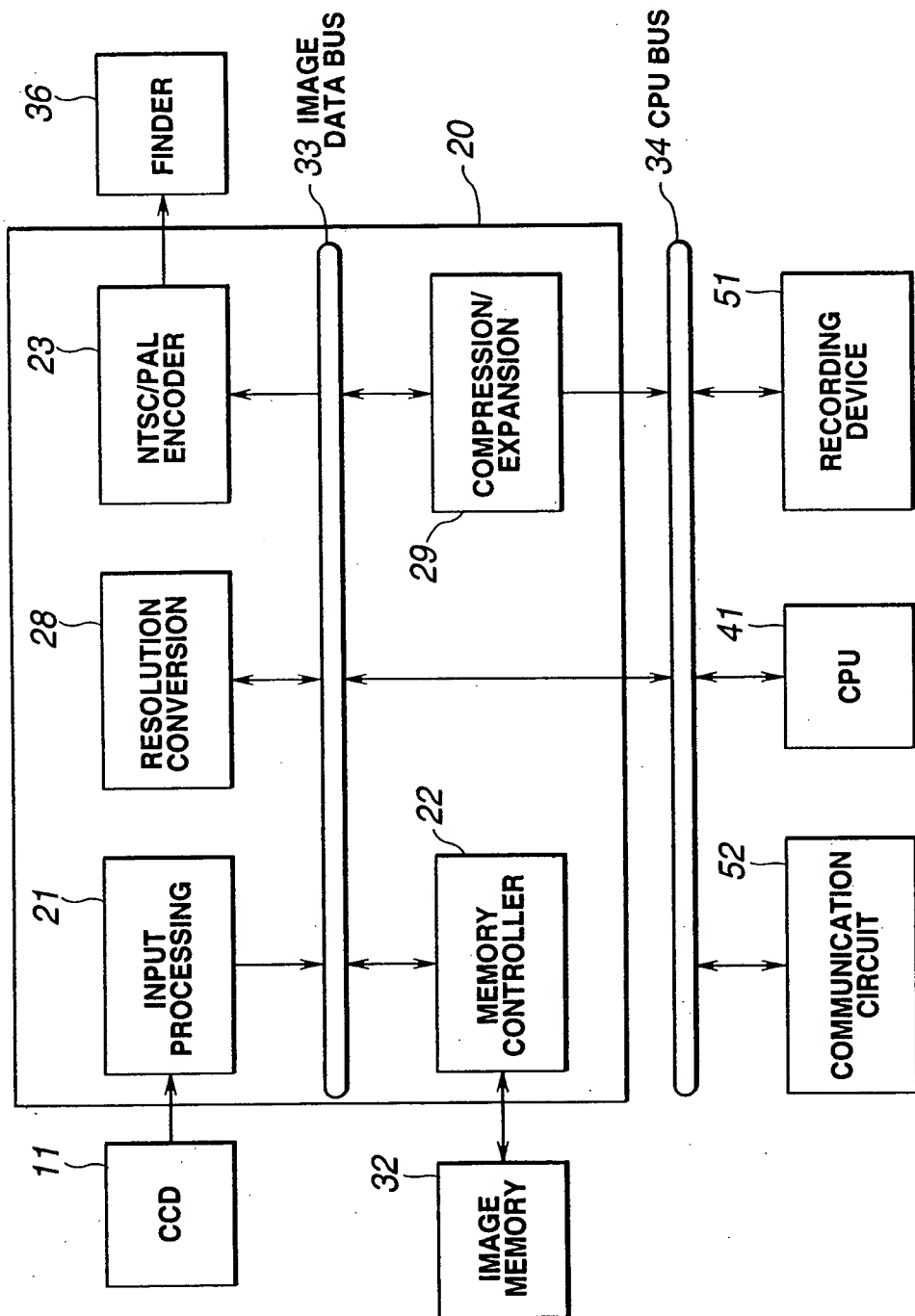


FIG.3

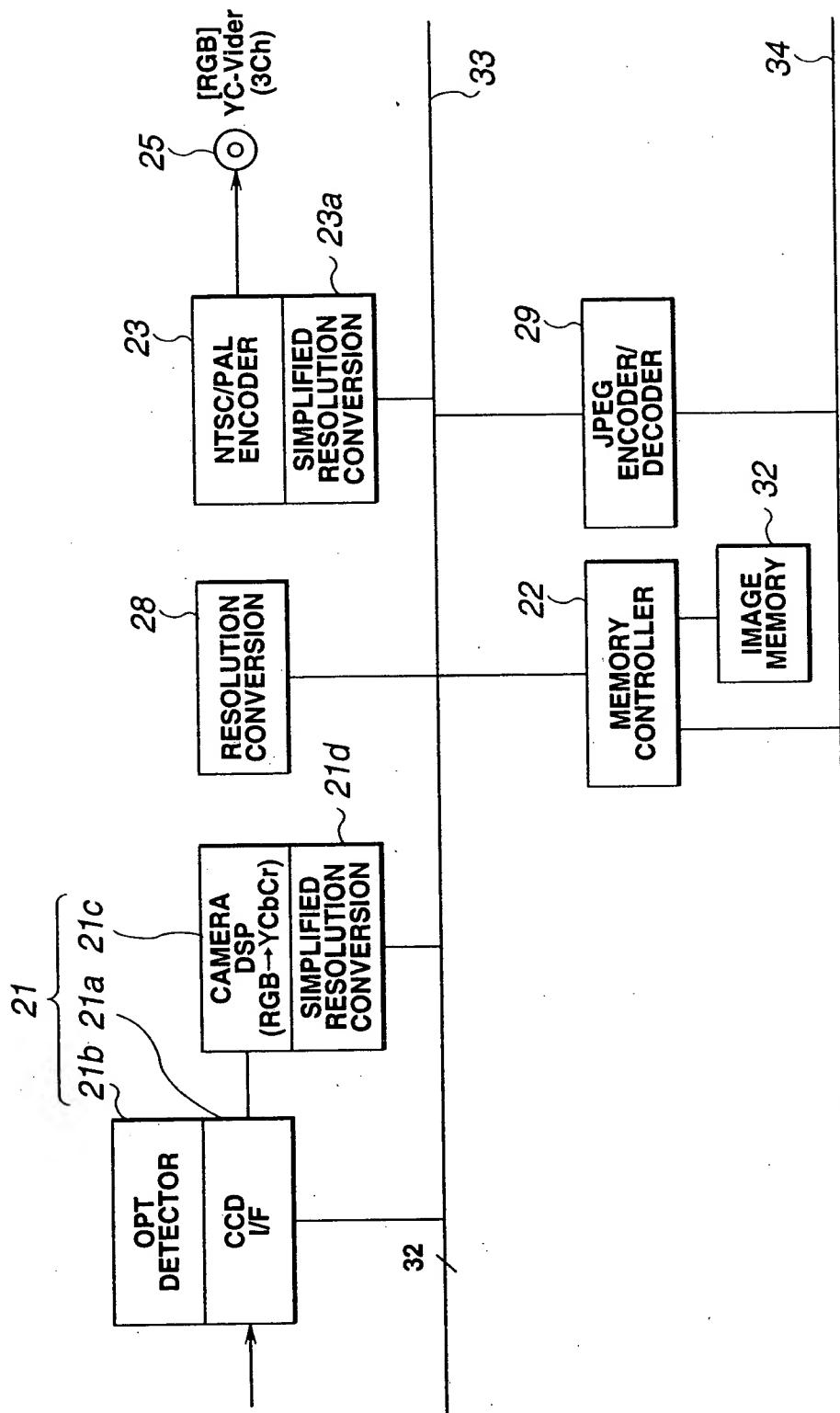


FIG.4



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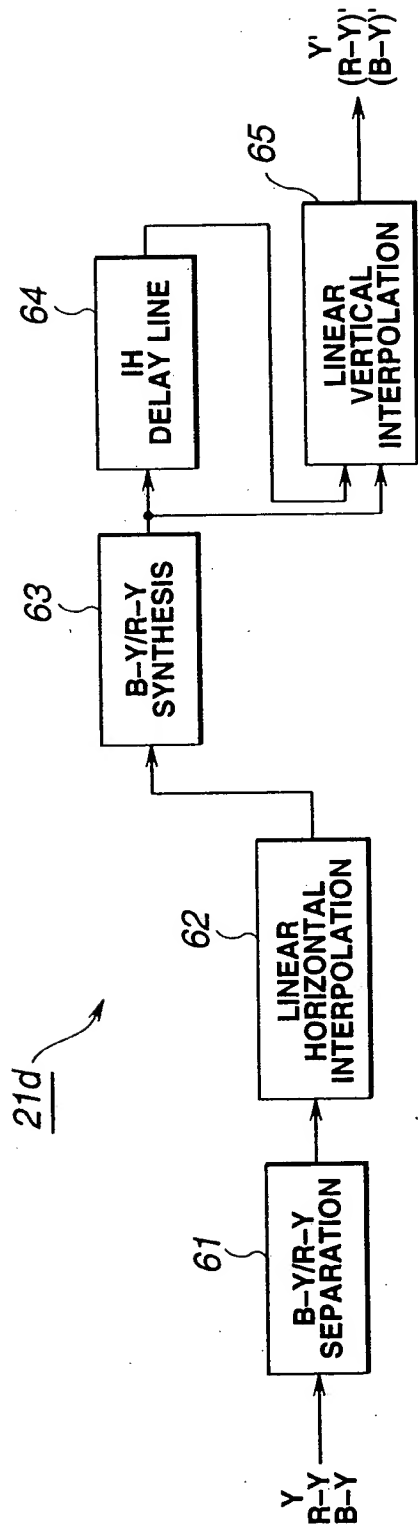


FIG.5

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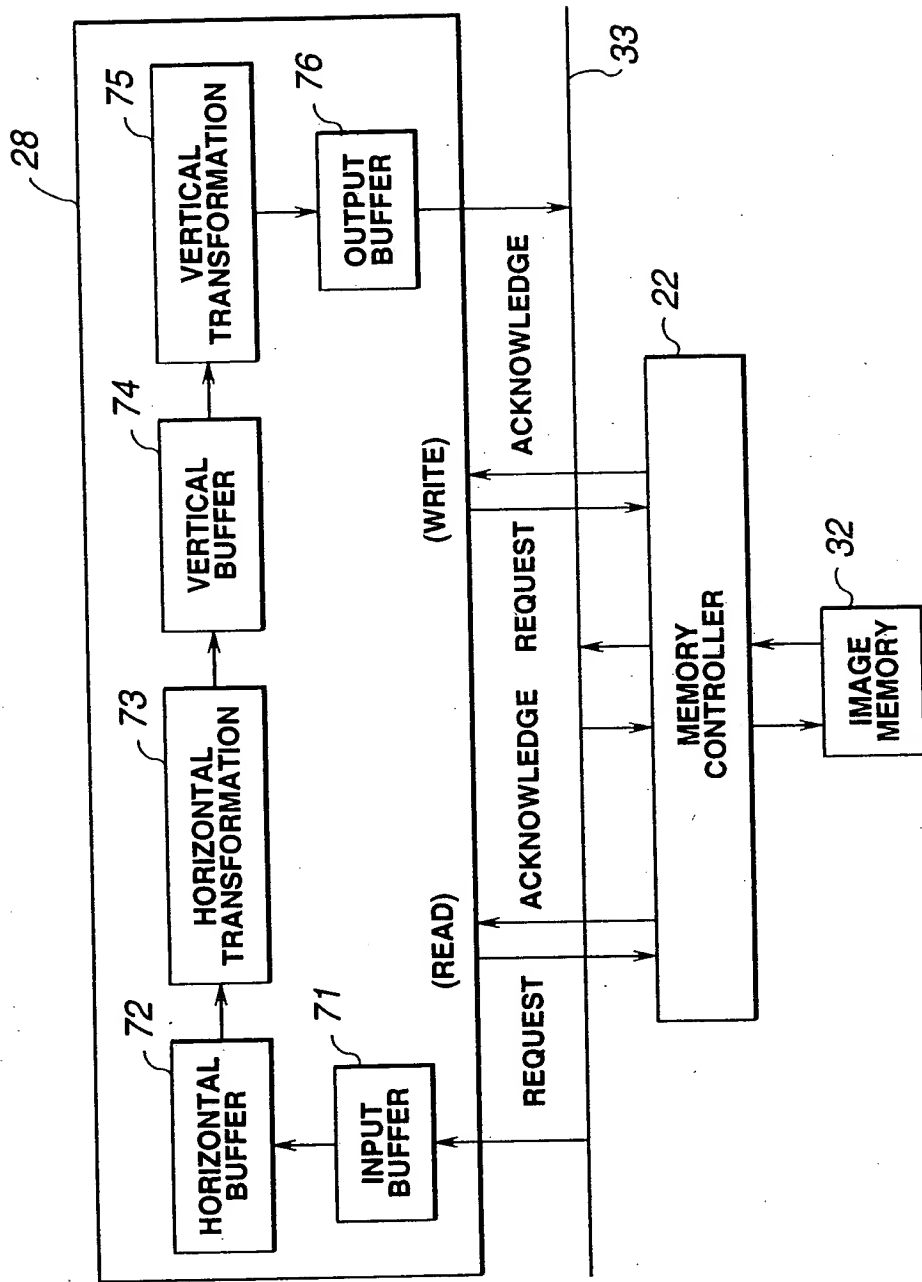


FIG.6

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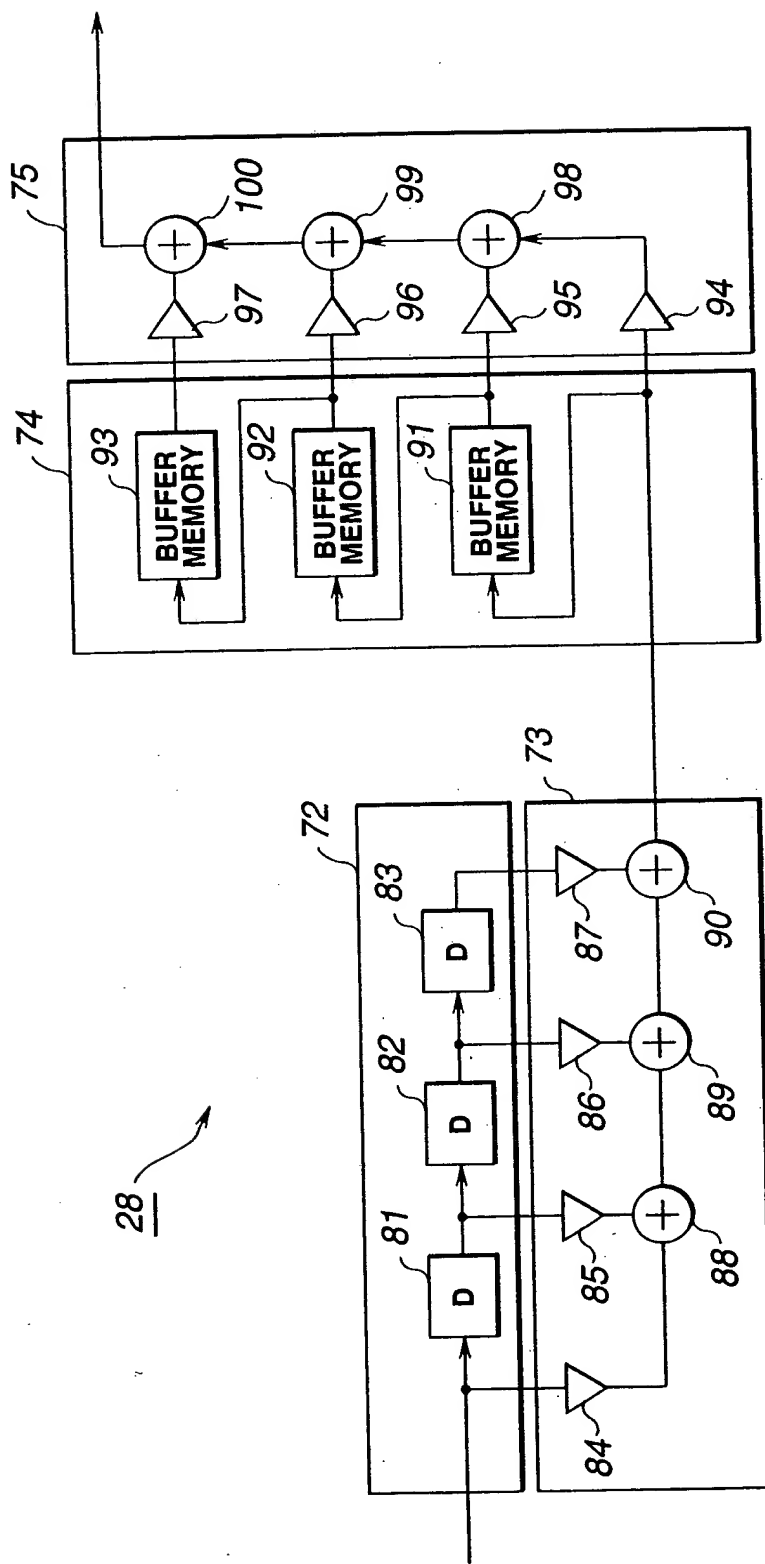
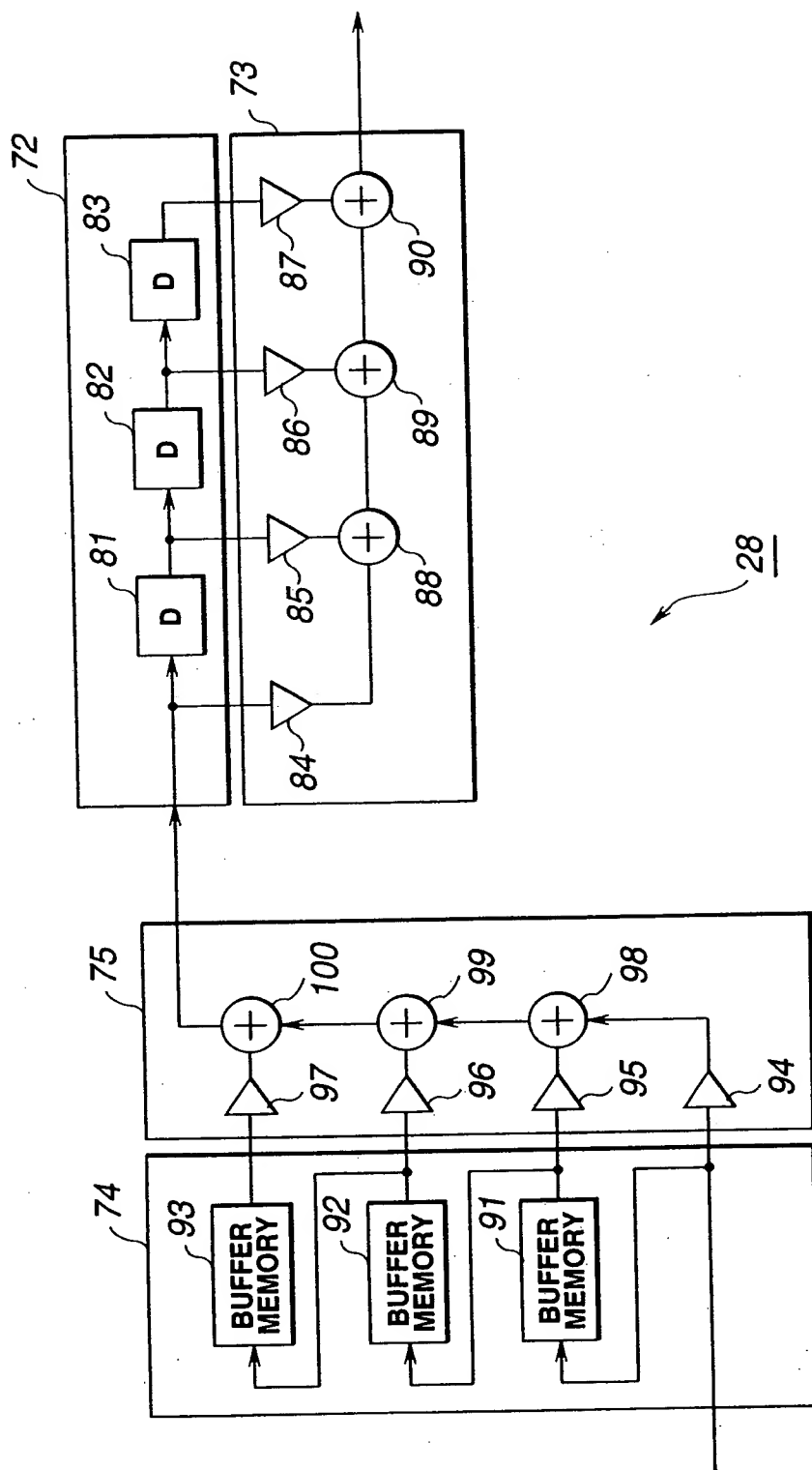


FIG.7

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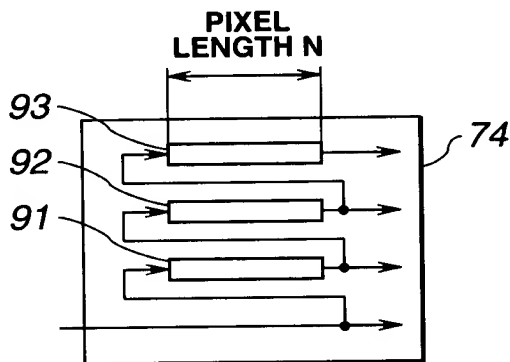


**FIG.8**

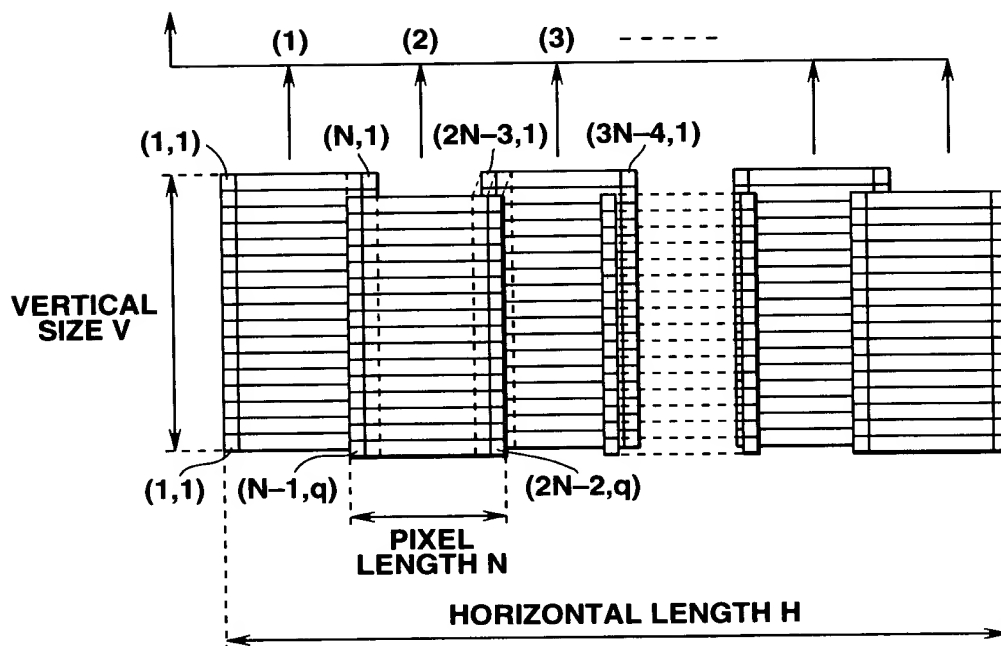




Inventors: Masayuki Takezawa et al.  
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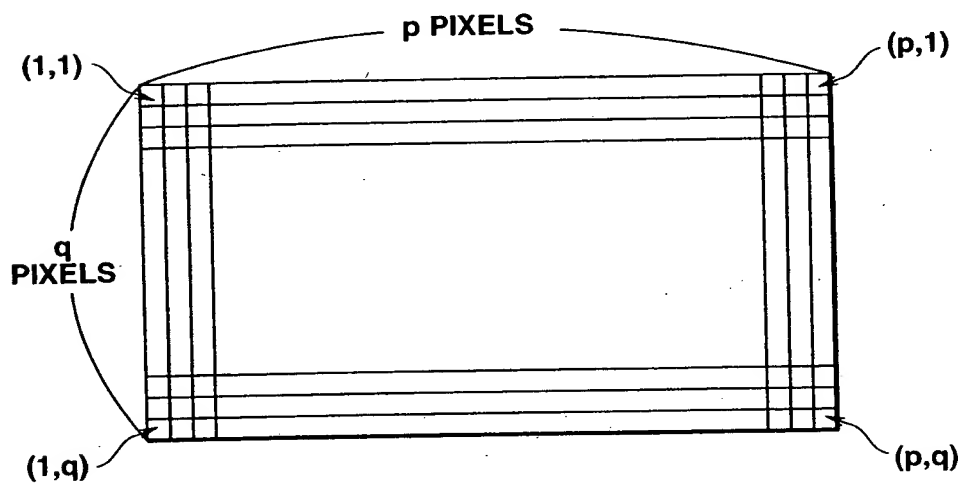
**FIG.9**



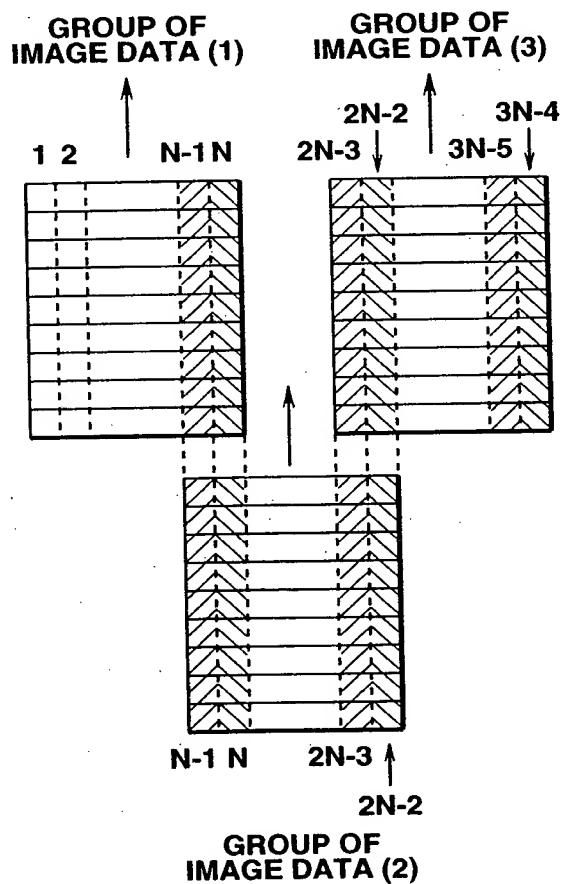
**FIG.10**



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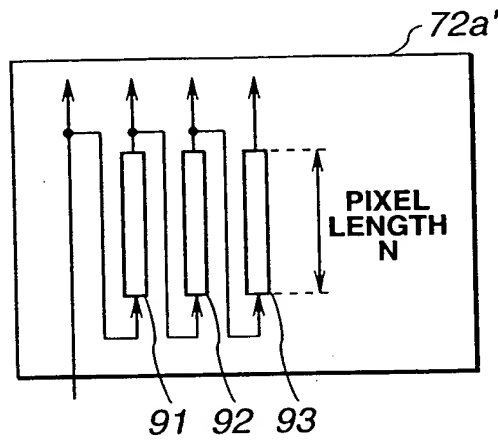
**FIG.11**



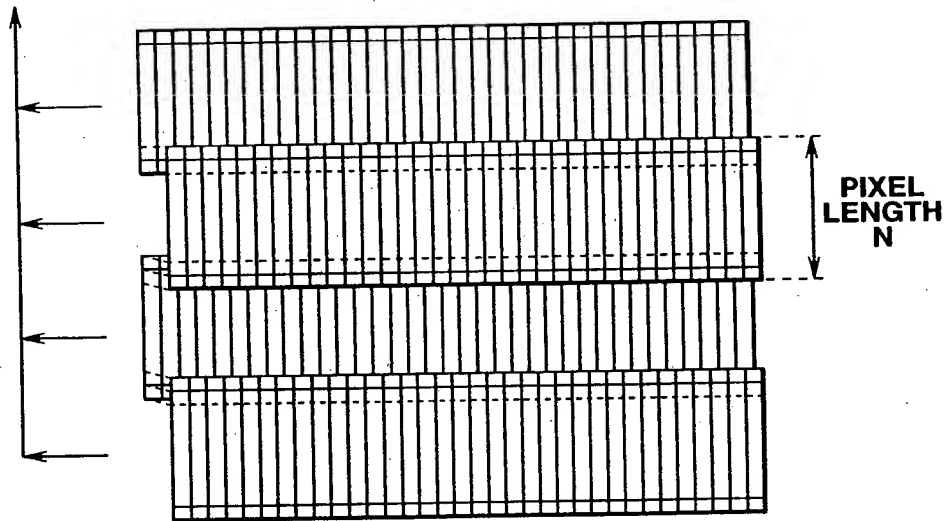
**FIG.12**



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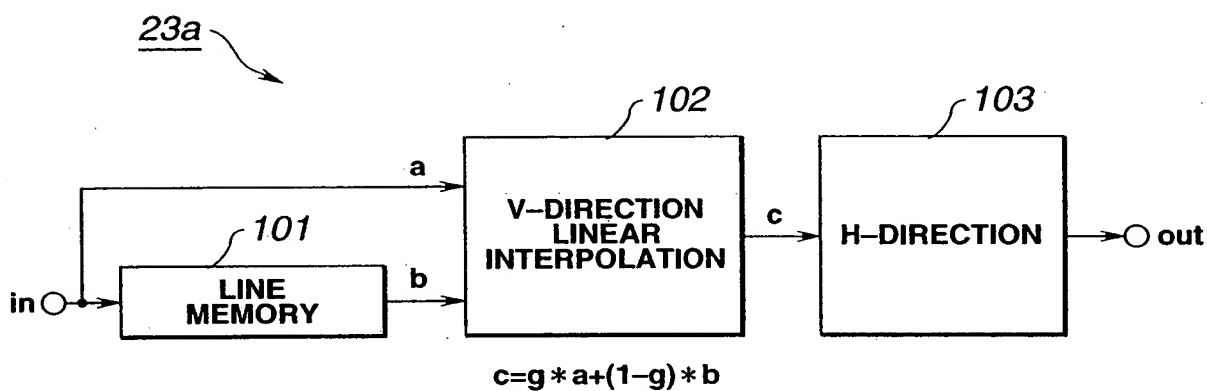
**FIG.13**



**FIG.14**

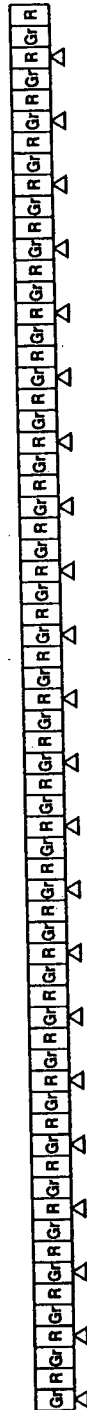


Inventors: Masayuki Takezawa et al.  
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**FIG.15**

**FIG. 16A** CCLK 12.27MHz



**FIG. 16B** CCD1F→CAMDSP

## 1/3 THINNING

[illegible]

**FIG. 16C** CAMDSP  
→DRAM

[illegible]

**FIG. 16D** **DRAM**→**NTSC**

**YC422(320×240)**

[illegible]

**FIG. 16E** **DRAM** **↑**  
**OSD**

